









Equipment

Manual Hand-Held Applicators

Manual Hand-Held Applicators for 1K Cartridges

Cartridge Size	Technology	Mechanical Applicator	Pneumatic Applicator
30ml	All, including acrylics and light cure adhesives	98815 (IDH 1544934) 	see Syringe Dispensers page 154
50ml	Elastic adhesives and sealants, gasketing products	96005 (IDH 363544) 	
300ml	Elastic adhesives and sealants, gasketing products		97002 (IDH 88632) 
290ml, 300ml, 310ml	Elastic adhesives and sealants, e.g. silicones, silane modified polymers	142240 (IDH 142240) 	97046 (IDH 1047326) electrical 
310ml	Very high viscosity elastic adhesives and sealants, e.g. TEROSON 1K PU		PowerLine II (IDH 960304) 
290ml, 310ml	Spraying of TEROSON MS 9320 SF* or TEROSON MS 9302*		Multi-Press (IDH 142241) 
Foilpack 400ml, 570ml	Silane modified polymers, polyurethanes		Softpress (IDH 250052) 

Manual Hand-Held Applicators for 2K Cartridges

Cartridge Size	Mix Ratio	Technology	Mechanical Applicator	Pneumatic Applicator
50ml	1:1, 2:1	Epoxies, polyurethanes, acrylics, silane modified polymers, cyanoacrylates	96001 (IDH 267452) 	97042 (IDH 476898) 
50ml	10:1	Acrylics	IDH 1034026 	97047 (IDH 1493310) 
200ml	1:1, 2:1	Epoxies	96003 (IDH 267453) 	983437 (IDH 218315) 
400ml, 415ml	1:1, 2:1	Epoxies, acrylics, silicones, polyurethanes	983438 (IDH 218312) 	983439 (IDH 218311) 
	4:1	Polyurethanes	+ Conversion Kit 984211 (IDH 478553)	+ Conversion Kit 984210 (IDH 478552)
400ml	1:1	Silane modified polymers		IDH 1279011** 
490ml	10:1	Acrylics	985246 (IDH 478600) 	985249 (IDH 470572) 
2 x 300ml	1:1	LOCTITE AA 3295		1911001 (IDH 307418) 
2 x 310ml	1:1	TEROSON PU 6700		
900ml	2:1	LOCTITE PC 7255*		97048*** (IDH 1175530) 





* For spray application with hand-held applicator, preheat product to T= 50°C. Use heating box IDH 796993

** Available on request ***For spray application use spray nozzle IDH 1248606


Equipment

Manual Dispensers




Peristaltic Dispensers

Pack Size	Technology	Mechanical	Electrical / Pneumatic
20g	Cyanoacrylates	98810 (IDH 1506477) 	
50ml	Anaerobic threadlockers and thread sealants, retaining compounds	98414 (IDH 608966) 	
250ml	Anaerobic threadlockers and thread sealants, retaining compounds	97001 (IDH 88631) 	
All pack sizes	All low viscous products of 1K technology*		98548 (IDH 769914) (electrical) 







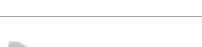






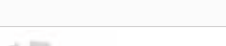






Syringe Dispensers

10ml or 30ml	All low viscous products of 1K technologies*	See hand-held applicators for 1K cartridges, page 152	97006 (IDH 88633) (electrical/ pneumatic) 
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Accessories – Syringes

Pack Size	Item No.	Product	Description
10ml 30ml	97207 (IDH 88656) 97244 (IDH 88677)		Clear Syringe Barrel Kit
10ml 30ml	97263 (IDH 218287) 97264 (IDH 218286)		Black Syringe Barrel Kit for UV and INDIGO adhesives
10ml 30ml	97208 (IDH 88657) 97245 (IDH 88678)		Syringe Airline Adapter

Accessories – Mixers and Nozzles

Pack Size	Mix	Technology	Item No.	Product
10ml	10:1	Cyanoacrylates	IDH 1453183	
50ml	1:1	Acrylics	IDH 1467955	
50ml	1:1, 2:1	Epoxies, polyurethanes, silane modified polymers	984569 (IDH 1487440)	
50ml	1:1	Acrylics	8958234 (IDH 1646832)	
50ml	1:1	Cyanoacrylates	IDH 1826921	
50ml	10:1	Acrylics	IDH 1034575	
2 x 125ml	1:1	Polyurethanes	IDH 780805	
200ml 400ml	1:1 2:1	Epoxies	984570 (IDH 1487439)	
400ml	1:1, 2:1, 4:1	Silicones	98457 (IDH 720174)	
400ml	1:1	Silane modified polymers	IDH 367545	
400ml 415ml	2:1 4:1	Polyurethanes	IDH 639381**	
490ml	10:1	Acrylics	8953187 (IDH 1104047)	
2 x 300ml	1:1	Acrylics	8958238 (IDH 1669495)*	
2 x 310ml	1:1	Polyurethanes	Not available in the U.K.	
900ml	2:1	Epoxies	IDH 1248606	
310ml		Silane modified polymers	IDH 1395025 (for spraying)	
310ml		Silane modified polymers, polyurethanes	IDH 581582	
310ml		1K silicone	IDH 546017**	
310ml		Silane modified polymers, polyurethanes	IDH 648894 (triangle nozzle)	
Foilpack 400ml, 570ml		Silane modified polymers, polyurethanes	IDH 582416	



* Y-adapter Manifold (IDH 398158) can be ordered separately
 ** Available on request





Equipment

Semi-Automatic Dispensing Systems

The systems are designed for integration into automated assembly lines and can be externally triggered by a PLC or robot control. They are suitable for dispensing microdots, dots, drops or beads of low to high viscosity products.



Time Pressure Dispensing Systems

Each system is equipped with Controller 97152 (IDH 1275665), Reservoir 97108 (IDH 135555) accommodating up to 1 Ltr LOCTITE bottles and Footswitch 97201 (IDH 88653) for combination with the appropriate valve. The valve is selected to suit the viscosity of the product and the amount to be dispensed. Please see table below.

Valve	Description	Cat. No.	IDH No.
	Stationary Applicator Valve 1/4"	97113	88644
	Stationary Applicator Valve 3/8"	97114	88645
	Light Cure Dispensing Valve	98009	218280
	Cyanoacrylate Dispensing Valve	98013	318654
	Diaphragm Valve	97135	215846
	Diaphragm Valve	97136	215848

Volumetric Dispensing Systems

The systems are designed for dispensing 1K or 2K adhesives with high. The volumetric design minimises any application variations caused by changes in adhesive viscosity due to temperature changes.

Dispenser	Description	Cat. No.	IDH No.
	Volumetric Rotor Dispenser	8953494	1197319
	Dual Rotor Pump**	MM25	1774437

* For other technologies or higher viscosities, please contact us

** For appropriate controller and product feeding system, please contact us





Suitable for Adhesive Technologies*				Viscosity*			Amount to Dispense		
Acrylics	Anaerobics	Cyanoacrylates	Light Cure Acrylics	Low (up to 2.500 mPa·s)	Medium (2.500 – 7.500 mPa·s)	High (7.500 – 50.000 mPa·s)	Microdot Micro Bead	Dot Medium Bead	Drop Bead
•	•	•	•		•			•	•
•	•	•	•			•			•
	•		•	•	•		•	•	
		•		•	•		•	•	
•	•		•	•	•			•	•
•	•		•		•			•	

Suitable for Adhesive Technologies*				Viscosity*			Amount to Dispense		
Acrylics	Anaerobics	Epoxies	Light Cure Acrylics	Low (up to 2.500 mPa·s)	Medium (2.500 – 7.500 mPa·s)	High (7.500 – 50.000 mPa·s)	Microdot Micro Bead	Dot Medium Bead	Drop Bead
1K	1K	1K	1K	•	•		•	•	•
2K		2K			•	•		•	•

Equipment

Hand-Held Dispensing Systems

The systems are designed for single-user manual workstations. They are suitable for dispensing dots, drops or beads of low to medium viscosity products. The systems comprise an integrated Controller & Reservoir 97009 (IDH 215845) and Footswitch 97201 (IDH 88653) for combination with the appropriate valve. The valve is selected to suit the viscosity of the product and the amount to be dispensed. Please see table below.

Valve	Description	Cat. No.	IDH No.
	Pinch Valve	97121	88650
	LV Hand-Held Applicator	97130	444643

Customised Systems

Henkel offers a wide range of customised equipment solutions to suit specific customer needs. The equipment solutions are designed based on combining Henkel's proven dispensing and curing systems with bespoke fixtures, enclosures and associated hardware. The customised solutions can incorporate 1k or 2k dispense systems, benchtop robots and UV cure systems. For further information please contact us.



Suitable for Adhesive Technologies*				Viscosity*			Amount to Dispense		
Acrylics	Anaerobics	Cyanoacrylates	Light Cure Acrylics	Low (up to 2,500 mPa-s)	Medium (2,500 – 7,500 mPa-s)	High (7,500 – 50,000 mPa-s)	Microdot Micro Bead	Dot Medium Bead	Drop Bead
•	•	•	•	•	•			•	•
•	•	•		•	•	•		•	•



Equipment

Light Curing Equipment

Four major factors must be taken into consideration when designing a successful light cure application: emission spectrum of the cure system, light intensity, transmission properties of substrate and required cure characteristics. As a manufacturer of both the chemistry and the curing equipment, Henkel knows how to match light cure adhesives to the correct dispensing and curing system.

Flood Cure Systems

Bulb Technology



LOCTITE 97055 / 97056

- LOCTITE 97055 (IDH 805741) high intensity light cure chamber system for manual loading
- LOCTITE 97056 (IDH 838778) tunnel version designed for integration into automated lines

Three different bulbs are available for appropriate emission spectrums



Bulb	IDH No.	UV C	UV A	UV VIS
LOCTITE 97346	870098	☀☀☀	☀☀	☀
LOCTITE 97347	870097	☀☀	☀☀☀☀	☀☀☀
LOCTITE 97348	870096	☀	☀☀	☀☀☀☀

LED Technology



LOCTITE 97070 / 97071

- LOCTITE 97070 high intensity, cool radiation LED system, designed to emit UV A light
- LOCTITE 97071 high intensity, cool radiation LED system, designed to emit UV VIS light

Mounting stand available on request.



LED Head	IDH No.	UV C	UV A	UV VIS
LOCTITE 97070	1427234	-	☀☀☀	-
LOCTITE 97071	1427233	-	-	☀☀☀☀

Accessories

LOCTITE 97360

LOCTITE 97360 (IDH 1511839) Light Cure Chamber for LED Flood Cure System 97070 / 97071. This chamber can accommodate up to two LED systems.



Spot Cure Systems

Bulb Technology



LOCTITE 97057 II (IDH 1465612)

High intensity light guide system emitting UV A and UV VIS. To be combined with appropriate light guide.

LOCTITE 97323 (IDH 376720): Ø 5 x 1,500 mm, LOCTITE 97324 (IDH 298849): Ø 8 x 1,500 mm, LOCTITE 97318 (IDH 951637): 2x Ø 3 x 1,500 mm

LOCTITE 97034 (IDH 331219)

High intensity light guide system emitting UV C, UV A and UV VIS. To be combined with appropriate light guide.

LOCTITE 97326 (IDH 329278): Ø 5 x 1,000 mm, LOCTITE 97327 (IDH 376721): Ø 8 x 1,000 mm, LOCTITE 97328 (IDH 352194): 2x Ø 3 x 1,000 mm



LED Technology



LOCTITE 97079 (IDH 1473952)

High intensity, long lifetime system designed for curing LOCTITE UV adhesives and coatings with UV light. Modern LED technology provides "cool" radiation in narrow bandwidth.



LOCTITE 98794 / 98793

LOCTITE 98794 (IDH 1427232) LED light pen, mains operated
LOCTITE 98793 (IDH 1427231) LED light pen, re-chargeable



LOCTITE 97067 / 97068

LOCTITE 97067 (IDH 1484215) LED line array, designed to emit UVA-light
LOCTITE 97068 (IDH 1523713) LED line array, designed to emit UV VIS light



Medium intensity

High intensity

Very high intensity

1000 W Energy consumption of bulb

Emission spectrum contains UV C light

Emission spectrum contains UV A light

Emission spectrum contains UV VIS light

LED LED system

Exposure timer

Interface for PLC connection, e.g. external start

Internal intensity monitoring



Spot cure system






Flood cure system

Equipment




Accessories

For Light-Curing Equipment

Product	Item No.	IDH No.	Description
	LOCTITE 98787 LOCTITE 98770	1390323 1265282	The Dosimeter-Radiometer measures light dose (energy) and light intensity of the UV curing equipment and is a self-contained one channel device. LOCTITE 98787 for UV A light, LOCTITE 98770 for UV VIS light.
	LOCTITE 98002	1406024	The LOCTITE Spot Radiometer is a self-contained, electro-optical instrument designed to measure and display the UV intensity emitted by a UV light guide. For light guides Ø 3 mm, Ø 5 mm and Ø 8 mm.
	LOCTITE 8953426 LOCTITE 8953427	1175127 1175128	UV protection glasses LOCTITE 8953426: protection glasses grey, best suited to UV A and UV C light LOCTITE 8953427: protection glasses orange, best suited to UV VIS light.

Dispensing Needles

Dispensing tips are colour coded to indicate the inner diameter of the needle. All dispensing tips have a helical thread and can be attached to all LOCTITE valves via 97233 (IDH 88672) Luer-Lock® Adapter. They can also be attached to most LOCTITE adhesive bottles and syringes to improve control of adhesive dispense.

Needle Size	 Flexible Dispensing Tips Polypropylene (PPF)	 Tapered Dispensing Tips (PPC)	 Stainless Steel Dispensing Tips Standard (SSS)
15 (= Amber) ID 1.37 mm	97229 (IDH 142640)		97225 (IDH 88664)
16 (= Grey) ID 1.19 mm		97221 (IDH 88660)	
18 (= Green) ID 0.84 mm	97230 (IDH 142641)	97222 (IDH 88661)	97226 (IDH 88665)
20 (= Pink) ID 0.61 mm	97231 (IDH 142642)	97223 (IDH 88662)	97227 (IDH 88666)
22 (= Blue) ID 0.41 mm		97224 (IDH 88663)	
25 (= Red) ID 0.25 mm	97232 (IDH 142643)		97228 (IDH 88667)
Kit containing 2 each of the above tips		97262 (IDH 218288)	
For light cure products: 16 (=Black) ID 1.19 mm		97513 (IDH 1382816)	